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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/329,923	06/10/1999	FABRICE AGNES	005974/0010	8774

27383 7590 10/06/2004

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EXAMINER

SAX, STEVEN PAUL

ART UNIT PAPER NUMBER

2174

DATE MAILED: 10/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/329,923

Applicant(s)

AGNES ET AL.

Examiner

Steven P Sax

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 17 June 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-23 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. This application has been examined. The amendment filed 6/17/04 has been entered.

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shiitani et al (6040836) and Kask et al (6542937).

4. Regarding claim 1, Shiitani et al show the CAD/CAM software control method for generating a two dimensional drawing from a three dimensional computer defined model of an object (Figures 13, 14, 16, column 2 lines 35-45, column 3 lines 7-15, column 5 lines 12-25), generating a descriptive information associated with a component of the two dimensional drawing based on the model (column 3 lines 5-20, column 5 lines 15-20 and 25-40, column 7 lines 15-35), adding the drawing item to the view responsive to user activation (column 5 lines 15-37), forming a user interface for controlling addition of descriptive information to the two dimensional drawing (column 5 lines 10-15, column 6 lines 10-16), adding the descriptive information to the two

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dimensional drawing responsive to interactive user input data entered at the user interface to select a first subset of the automatically generated descriptive information that is to be added to the two dimensional drawing (column 5 lines 33-50, Figure 5, column 7 lines 11-34, column 8 lines 45-58). The descriptive information added to the two dimensional drawing is configured for display in the two dimensional drawing (column 7 lines 20-30). Shiitani et al do not specifically show that the model is of a real world object, but do mention representing three dimensional objects. Furthermore, Kask et al show representing a three dimensional object by modeling a real world object (column 8 lines 55-65). It would have been obvious to a person with ordinary skill in the art to have the system of Shiitani et al model a real world object, because it would be a convenient way to represent three dimensional objects.

5. Regarding claim 2, Shiitani et al show the descriptive information includes a constraint (column 7 lines 45-50).

6. Regarding claims 3, the descriptive information is added after an expiration time of a predetermined time period and without an intervening user action (Shiitani et al column 8 lines 5-14 and 50-60).

7. Regarding claim 4, the intervening action is a pause button (Shiitani et al column 8 lines 35-50).

8. Regarding claim 5, the information is modified (Shiitani et al 20-35).
9. Regarding claim 6, user input data indicating a subset is not to be added is tracked so that a second subset of information will not appear in the subsequent views (Shiitani et al column 9 lines 5-20).
10. Regarding claim 7, the descriptive information is stopped and an additional drawing is formed (Shiitani et al column 10 lines 13-29).
11. Regarding claim 8, a modification is reproduced in later formed two dimensional drawing (Shiitani et al column 10 lines 30-46).
12. Regarding claim 9, the descriptive information may be generated and added automatically without generating an interface or with user intervention (Shiitani et al column 5 lines 55-65).
13. Regarding claims 10, the semi-automatic mode is a timeout period in which the user may activate a device causing descriptive information generating process to be paused (Shiitani et al column 10 lines 10-33).

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14. Regarding claims 11-12, Shiitani et al show modifying the descriptive information while the generation process is paused (column 10 lines 5-35) and generating additional descriptive information automatically following the modification (column 19 lines 20-40).

15. Regarding claims 13-14, Shiitani et al show filtering descriptive information (column 9 lines 5-17) and particular drawings from being formed (column 10 lines 25-39, column 6 lines 1-9 accordingly).

16. Claims 15-17 show the same features as claims 1-3 respectively and are rejected for the same reasons.

17. Claim 18 shows the same features as claim 1 and is rejected for the same reasons.

18. Claims 19-22 each show the same features included in claim 10 and are rejected for the same reasons.

19. Claim 23 shows the same features as claim 11 and is rejected for the same reasons.

20. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

21. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven P Sax whose telephone number is 703-305-9582. After October 20, the new telephone number will be 571-272-4072. The examiner can normally be reached on M-F 8:30AM - 5:00PM.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid can be reached on 703-308-0640. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.



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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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STEVEN SAX  
PRIMARY EXAMINER